## Sonar Lint

SonarQube

- De sona lent works more when a plugen.
- 1) Sonar Qube has a Server associated with it.
- 2) Rt supports only in
  The PDE like Prtellit,
  Ecclipse and visual
  studio.
- 2) Sonar Quibe is a central
  Server That processes which
  covers full Analyses which
  needs to be triggered by
  The various Sonarquibe Scame
  15.
- 3) It gives instant feedback as you type your code
  - 3) It give a vision of the quality of your complete project cade base.
- 4) It concentrates on what you are writing van time while coding
  - Command—line adoptions

Offerage in Javas

Java is a Pata structure, the array, which stores a fixed-sited sequential collection of elements of the same type.

- An Array is used a

data, but it is often more oseful to thenk of an array as a collection of variables of the same type. 7 Array is Index - based, the first element of the array is stored in oth index, and element is stored on stindex and so on. All Java, array of an object of a agramically generated class. Java array inharts The object class. -the can also create stope D, Hult'D array Adeantages: ) code optimitation ( we can retrive & sort the 2) Random access -) we can get any data located at an index position. data efficiently)

Disadvantages:

1) size limit - 2t stores only the fixed size of elements on the array

## Programs on Java:

1 To print sum of all the items of the array.

Public class Sumofarray &

Public static void main (string() args) ; int arr() = new inf@ \$1,2,3,4,5; int sum = 0;

for (int i=0; izarr·length; itt) &

Sum = Sum farr (1);

System out println ("Sum of all elements:"
-tsum);

Olp: Sum of all elements: 15.

3) state variable Public class session & public static void Session (string [] args) { system out println ("Value of PI = "+ Math. PI"); Instance variable: Package mini Public class padotiple int a=roj state 6=20; Public void Static Variable () system out printen (a \*6); Public static void main (string ( J args) maltiple. 06 = new maltiple(); Obj. Multiple ();

```
If else
    Rublic State void main (stringe) args);
      for (FAT j=1; jx3; j++) $
ît (i==222 j==2) $
           Continue;
        System out println (i+, +;);
                        olgobby sens madeliple
              Systems outsporter (a+b);
Switch case
   Public string to trypish (int number)
      Switch (number) $
      Case O: refurn "tero";
      case 18 roturn "one";
```

default ireturn "many"s of else public clave Frample Minnomber & public state votal main (string () ags) & Int a=M Ont 6=6; int c=minfunction (a, b) 1 System. out pointen ("Himmum value = "+c"); public state int min function (int ni, int nz) if (ni >nz) return n2; else return ni)